ECG Machine - 1200F Digital 12 Channel ECG

Features

■12 Lead ECG simultaneous acquisition, simultaneous display of 3/6/12lead ECG waveform
■Build-in real-time analysis software, average QRS template,
■RS232 and USB interface
■Multiform printing modes and format: Auto/Manual, standard 12 Ch,3Ch+3R, 6Ch,6Ch+1R and 60s arrhythmia report.
■Physical examination mode (A4 Paper),R-R histogram, trend, average QRS template
■Build-in SD Card

Specifications:

■Input way: Floating and defibrillation protection
■Lead: Standard 12 leads
■Input impedance:≥50MΩ
■Frequency response:0.05Hz~150Hz(-3dB,+0.4dB)
■Time constant:>3.2s
■Noise level: ≤13μVp-p
■Filter: AC filter, ECG interference filter, DFT filter
■Sensitivity: Auto 10,20mm/mV±2% ect
■Measure date: HR, interval, Duration, Axis
■Paper speed:25,50mm/s,±%3 ect
■Recording paper:210/216mm(W)x20/30m(L)
■Safety Type: Class I, Typbu xinge CF
■Size:338mm(L)x280MM(w)85MM(h)
■Net Weight:3.5Kg

Option:

■ECG Workstation Software
■SD Card
■Portable Pack
■Trolley
■7"LCD B/W, Colour, Touch

ECG Machine – ECG1200G Digital 12 Channel ECG

Features:

8"TFT Colour LCD shows the working status and ECG waveform. Check the waveform before printing to save record paper.
12 Leads ECG simultaneous gather, digital signal processing, to get the ECG waveforms of higher quality through the AC, DFT and EMG filtering of the ECG signals.
Simultaneous display of 3/6/12 leads ECG waveform, and the state of printing mode, sensitivity, speed, filter etc, to be easy for contrast diagnosis.
Multiply printing modes and formats, including 12*1, 6*2+1(rhythm lead), 6*2, rhythm 12, rhythm 10, rhythm 8, rhythm 6, manual and freeze, etc. The length of printed wave can be adjusted and simultaneity the function of periodic printing is offered to satisfy different applications.
The instrument has the functions of auto-analysis and auto-diagnosis of regular ECG waveform parameters, provides measurement parameters such as HR, P-R interval, P Duration, QRS Duration, Q-T interval, Q-Tc, P Axis, QRS Axis, T Axis, R(V5), S(V1), R(V5)+S(V1), etc and auto-diagnosis conclusion to reduce doctor's burden.
AC/DC power supply. Built-in rechargeable lithium polymer battery. At the best DC state, it can standby for 4 hours, print continually for 90 min, and print 150 pieces of ECG waveform to satisfy the need of visiting patients and physical examination.
Built-in MSF can store more than 1000 cases, convenient for doctor's case review and information statistics.
System provides Chinese/English/Spanish/Turkish operation interface and can print multiply languages report.
System provides multiply printing speeds, including 5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s, and abstract conclusion graph printing.
Product performance
Environment conditions
Operation
a) Environment temperature: +5□~+35□
b) Relative humidity: ≤80%
c) Power supply: AC:100V~240V,50/60Hz
DC:14.8V, 3700 mAh rechargeable lithium battery

d) Atmospheric pressure: 86kPa~106kPa
Transportation and Storage
a) Environment temperature: -10□ ~55□
b) Relative humidity: ≤95%
c) Atmospheric pressure: 50kPa~106kPa
■Input way: Floating and defibrillation protection
■Lead: Standard 12 leads(model:BIP0057)
■Patient leak current: <10μA
■Input impedance: ≥50MΩ
■Frequency response: 0.05Hz~150Hz(-3dB)
■Time constant: Time constant>3.2s
■CMRR: >60dB, >100dB(Adding filter)
■EMG interference filter: 35Hz(-3dB)
■Recording way: Thermal printing system
■Specification of recording paper: 210mm(W)*20m(L) high-speed thermal paper
■Paper speed:
Auto record: 25mm/s, 50mm/s, error:±5%
Rhythm record: 25mm/s, 50mm/s, error:±5%
Manual record:5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s, error:±5%
■Sensitivity selections: 2.5,5,10,20,40mm/mV, error:±5%. Standard sensitivity is 10mm/mV±0.2mm/mV.
■Auto record: Record setup according to auto record format and mode, automatically changing leads, measuring and analysing.
■Rhythm record: record setup according to rhythm record format and mode, automatically measuring and analysing.
■Manual record: record setup according to manual record format, manually changing leads.
■Measurement parameters: HR, P-R interval, P Duration, QRS Duration, T Duration, Q-T interval, Q-Tc, P A*is, QRS A*is, T A*is, R(V5) , S(V1) , R(V5)+S(V1)
■Product safety type: Class I CF applied part; there is defibrillation and pacing protection circuit in it.
■Enduring polarization voltage: ±300mV
■Noise level: ≤15μVp-p
■Fuse specification: 2 pcs φ5*20mm AC time lag; T1.6A/250V(Power supply 220V)
■Size: 340mm(L)*320mm(W)*85mm(H)
■Net Weight: 3.2Kg

ECG Machine – ECG600G Electrocardiograph

Features

Instructions

ECG600G six channel ECG is such a kind of electrocardiograph, which samples 12 leads ECG signals simultaneously and prints out the ECG waveforms with thermal printing system. Its functions are as follows: recording and displaying ECG waveforms in auto/manual mode; auto-measuring and auto-diagnosing the ECG wave parameters; prompting the state of lead off and paper lack; switching the interface languages (Chinese/English); managing the case database.

Major Features

◆800x480TFT Colour LCD shows the working status and ECG waveform; Touch screen and soft keyboard control, more convenient for operation.
◆12 Leads ECG simultaneous acquisition with digital signal processor to get higher quality ECG waveforms through the AC filter, baseline filter and EMG filter of the ECG signals.
◆Simultaneous display of 3/6/12 leads ECG waveform, and the state of printing mode, sensitivity, speed, filter etc, to be easy for interpretation.
◆Sampling twelve leads ECG signal at the same time, analyzing 2×6+1 （rhythm lead)，2×6，3×4，3×4+1（rhythm lead)，4×3，4×3+1（rhythm lead)，6×2，6×2+1（rhythm lead) recording mode at the same time and reporting with multi-formats.
◆The power supply includes both AC/DC. This device includes built-in lithium polymer rechargeable battery. It can standby for 4 hours, print 150 pieces of ECG waveform and print 90 minutes continually under the best DC state to satisfy the need of visiting patients and physical examination.
◆It has build-in storage with large capacity, and can memory more than 1000 cases, which is easy for doctor review and statistic.
◆Under the review mode, you can see the saved ECG waveform, auto-

analysis and auto-interpretation of ECG waveform parameter, auto-interpretation conclusion.

◆Support Chinese, English, Italian and Turkish operating interface, can print out Chinese or English, Italian, Turkish report.

Main performance

Safety Class: Class I, Type CF applied part. There is a defibrillation circuit.

Power supply: AC:100V~240V，50/60Hz

DC: 7.4V, 3700 mAh rechargeable lithium battery

Fuse Specification: 2 pcs φ5×20mm AC time lag; T1.6A/250V(Power Supply:220V)

Print

Recording way: Thermal printing system

Specification of recording paper: 110mm（W)×20m(L) High-speed thermal

Paper speed:

Auto-record:25mm/s、50mm/s，error:±5%

Rhythm record:25mm/s、50mm/s, error:±5%

Manual-record:5mm/s、6.25mm/s、10mm/s、12.5mm/s、25mm/s、50mm/s、100mm/s，error: ±5%

Physical Characteristics

Size: 315 mm (length) × 215 mm (width) × 92 mm (height)

Weight: about 1.7 kg

ECG Machine – ECG-1200B Digital 12 Channel ECG

ECG Machine – ECG-1200A Digital 12 Channel ECG

Specifications

■Input Circuit: Floating; Protection against Defibrillator effect

■Lead: Standard 12 leads, Lead change automatically

■Patient Current Leakage: <10 μ A

■Input Impedance: ≥50 MΩ

■Calibrating Voltage: 1mV ±3%

■A/D Conversion: 12 bit

■Display:320×240LCD

■Frequency Response: 0.05Hz-150Hz

■Time Constant: >3.2seconds

■CMRR: >80d>100dB(with filter)

■Paper Speed:25, 50mm/s±3%

■Recording Paper: 210mm×30m, A4 size

■Input Circuit Current: ≤50nA

■Safety Standard: IEC class I, type CF

■Sensitivity: 1/2, 1, 2(cm/mV)

■Skin Voltage Tolerance: ±300mV

■Noise Level:<15 μVp-p

■Weight: 5.1kg

Features:

■Simultaneous 12 leads acquisition and printing

■Automatic measurement and interpretation; R-R analysis

■12 leads simultaneous display on large backlight LCD 320×240

■Digital design and filter; Thermal array printer

■Recording on A4 size paper

■Baseline auto-adjustable; Rhythm lead selectable

■DC/AC auto exchange, built-in rechargeable battery. Power supports continuously working for more than 50 patients

■16 pieces of unzipped ECG date and waveforms are stored for copy and re-call

■Inner handhold designed for portability

ECG Machine – CMS-80A Hand-Held Single Channel ECG

Features

■Output system: High-resolution thermal-array (32 dots/mm), it needs not be adjusted. Recording frequency Response: 150Hz (-3dB, +0.4dB).
■The device can record exact single ECG waveform and remark. The mark includes: lead sign, sensitivity, paper speed, filter state.
■Under automatic mode, just press the button once, it starts record procedure, which can enhance your work efficiency
■The language of operation interface include (Chinese, English, French, Italian, Turkish, Spanish)
■The keyboard's control is whole touch type, it's convenient to operate.
■LCD can display the operation state, which is convenient and readable.
■Classification: IEC class I, type CF
■Power supply: Input AC: 100-240V, 50/60Hz Output DC: 9V DC: 7.4V, Lithium rechargeable battery
■This instrument can record 150 pieces of ECG waveform and 90 minutes continually under the best DC state
■The figure of whole device is elegancy and gliding
■According to dependency degree of deleterious fluid, this device belongs to a common device.
■12.According to the safe degree used under the condition with flammable anesthesia gas mixed with air(or oxygen, nitrous oxide),this device belongs to the device which can't be used under the condition with flammable anesthesia gas mixed with air(or oxygen, nitrous oxide).
■Digital signal processor for effective inhibition of AC, EMG and DFT, receive the better ECG waveform.
■According to the working mode class, this device belongs to continuous operation equipment.

Technical Specifications:

Normal work environment

Running

■Environment temperature: +5▫~+35▫
■Relative humidity: ≤80%
■Atmospheric pressure: 86kPa~106kPa

Store and Transportation
■Environment temperature: -10~55▫
■Relative humidity: ≤95%
■Atmospheric pressure: 50kPa~106kPa
ECG instrument input
■Input way: Floating and defibrillation protection
■Lead: Standard 12 leads
■Patient leak current: <10μA
■Sampling rate:1000Hz
■A/D change:12 bite
■Frequency response: 0.05Hz~150Hz(-3dB,+0.4dB)
■Time constant: Time constant>3.2s
■CMRR: >60dB, >100dB(Add filter)
■Enduring polarization voltage:±500mV
■Noise level: ≤15μVp-p
Measurement parameters
■EMG interference filter: 35Hz(-3dB)
■AC filter:50Hz/60Hz(≥20dB)
■Sensitivity choice: 5,10,20mm/mV, error:±5%.Standard sensitivity is 10mm/mV±0.2mm/mV
Wave Output
■Recording way: Thermal printing system
■Auto-record: according the record format and auto-mode to set, auto leads-changing, auto measurement and analyze.
■ Manual record: according the record format to record, manual leads-changing.
■Specification of recording paper:50mm(W) × 20mm(L)High-speed thermal paper
■Paper speed: 25mm/s,50mm/s, error:±5%
Product safety type
■IEC class I, type CF
Size
■190mm(L)*90mm(W)*40mm(H)
Net Weight
■0.45kg
Power supply
■Input AC: 100-240V, 50/60Hz
Output DC: 9V
■DC: 7.4V, Lithium rechargeable battery

ECG Machine – CMS-80B Hand-Held Single Channel ECG

Technical Parameters

■Input circuit: Floating
■Calibrating Voltage: 1mV ?%
■Input current: <100nA
■CMRR: >103dB
■A/D: 12bit
■Frequency Response: 0.05Hz--150Hz
■Filter: AC 50/60Hz EMG: 35-4Hz
■Skin Voltage Tolerance: ?00mV
■Sensitivity Setting 5 、 10 、 20mm/mV, conversion deviation?%
■Noisy Level: ?5Vp-p
■Safety standard: IEC class I, type CF
■Lead selection: Automatic and Manual
■Operation mode: Automatic and Manual
■Display: LCD 160*96 visual size: 34*60
■Recording system: Thermal-array printing
■Power supply: AC220V? 0% DC 7.4 lithium battery
■Size:190*90*40
■Weight: About 800g

ECG Machine – ECG-100G Digital Single Channel ECG

Features:

■ High-resolution thermal printing array system

■ Frequency response is as high as 150Hz

■ Capable of printing continuously on channel trace and annotations including lead mark and parameter such as sensitivity, paper speed and filter operation status

■ High resolution digital filter inhibits baseline drift without affecting ECG waveform

■ One-touch operation

■ Concept of floating input circuit meets IEC safety standard

■ Rechargeable battery supporting more than 50 patient examinations

■ Lead Standard: 12 leads

Specifications

Input Circuit	Floating; Protection against Defibrillator effect
Lead	Standard 12 Leads, Lead change automatically
Patient Current Leakage	<10μA
Input Impedance	≥10MΩ
Calibrating Voltage	1mV±3%
A/D Conversion	12 bit
Frequency Response	0.05Hz~150Hz (IEC)
Time Constant	>3.2seconds

CMRR	>80dB >100dB (with filter)
EMG Filter	35Hz (-3dB) / 25Hz (-3dB)
Sensitivity	1/2, 1, 2 (cm/mV), Conversion Deviation≤5%
Recording System	Thermal-array 8 dots/mm (vertical) 16 dots/mm (horizontal, 25mm/sec)
Paper Speed	25, 50mm/s±3%
Recording Paper	50mm,20m, high-speed roll
Input Circuit Current	≤50nA
Safety Standard	IEC class I, type CF
Power Supply	AC: 220V / 110V, 50/60Hz DC: 12V rechargeable battery
Skin Voltage Tolerance	±300mV
Noise Level	<15uVp-p
Dimensions	310mm×230mm×70mm
Dimension of Packing	400mm×280mm×160mm
Weight	2.75kg

ECG Machine – ECG-300 Digital 3 Channel ECG

Features:

- High resolution thermal printing system ,high precision
- 12 leads collection in phase as well as 3 leads printing in phase
- Digital design and filter ,baseline auto-adjustable.
- LCD displays operation menu .DC/AC auto-exchange
- Automatic measurement, analysis and diagnosis with high speed
- Elegant and compact outlook, with inner handhold.

ECG Machine – ECG300G Electrograph

Features

Technical Specifications

◆Safety Type Class I, Type CF applied part,
which has defibrillation-proof applied part
◆Lead Standard 12 leads
◆Input way: Floating and defibrillation protection
◆Patient leak current <10μA
◆Sampling rate 1000Hz
◆A/D conversion 12bit
◆Frequency response 0.05Hz~150Hz (-3dB, + 0.4dB)
◆time constant >3.2s
◆CMRR ＞60dB, ＞100dB(Add filter)
◆Enduring polarization voltage: ±500mV
◆Noise level ≤15μVp-p
◆EMG interference filter 25Hz/35Hz (-3dB)
◆AC filter 50Hz/60Hz (≥20dB)
◆Recording way Thermal printing system(8spots/mm)
◆Recording paper 80mm(W)×20m(L)
◆Sensitivity 5mm/mV 10mm/mV 20mm/mV 40mm/mV Auto
◆Paper speed:
Auto-mode: 25mm/s, 50mm/s
Rhythm-mode:25mm/s, 50mm/s
Manual-mode:5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s
◆Power supply: AC:220V，50Hz（110V ,60 Hz）
DC: 7.4V, 3700 mAh rechargeable lithium battery
◆Fuse Specification: 2 pcs φ5×20mm AC time lag; T1.6A/250V(Power Supply:220V)
◆Size: 315mm(L) x 215mm(W) x 77mm(H)
◆Net Weight 2.25Kg

Accessories:

ECG leads	1 set
Limb electrode clamp	1 set
Chest electrode	1 set
Power connection	1 piece

Ground wire	1 set
User manual	1 set

◆3.5" TFT Colour LCD display shows the working status and ECG waveform. Check the waveform before printing to save record paper.

◆12 leads ECG simultaneous acquisition, digital signal processor, to get higher quality ECG waveforms through the AC filter, baseline filter and EMG filter of the ECG signals

◆Simultaneous display of 3/6/12 leads ECG waveform, and the state of printing mode, sensitivity, speed, filter etc., to be easy for interpretation.

◆Include multiform printing modes and format, such as auto 3*4 +1, auto 3*4,auto 2*6 +1, auto 2*6, auto 4*3, rhythm 4, rhythm 3, rhythm 2 and manual etc; the length of wave printing can be adjusted and the function of periodic printing is included to satisfy different applications.

◆The instrument has the function of regular auto-analysis and auto-interpretation of ECG waveform parameter, provides measurement parameters such as HR, P-R interval, P Duration, QRS Duration, T Duration, Q-T interval, Q-Tc, P Axis, QRS Axis, T Axis, R(V5), S(V1), R(V5)+S(V1) etc and auto-interpretation conclusion to help reducing doctor's abundance and improve working efficiency.

◆The power supply includes both AC/DC. This device includes built-in lithium polymer rechargeable battery. It can standby for 4 hours, print 150 pieces of ECG waveform and print 90 minutes continually under the best DC state to satisfy the need of visiting patients and physical examination.

◆It has build-in storage with large capacity, and can memory more than 1000 cases, which is easy for the doctor review and statistic.

◆Support Chinese, English, Spanish and Turkish Operating interface, can print out Chinese or English report

◆Option: ECG-Sync software, connect with the PC by USB connector to form a ECG workstation, collect real-time data to the software to analyze and print the report, and can update the old cases in the ECG machine to PC. It has optional functions of FCG, HFECG, QTd, HRV analysis etc.